

Ezhilan N

Software Engineer I

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SUMMARY

Software Engineer experienced in building scalable full-stack, cloud-native, event-driven, and AI-powered applications, with a focus on solving real-world business challenges through reliable, high-impact software solutions.

PROFESSIONAL EXPERIENCE

Process Engineer Intern

05/2023 – 07/2023

Bonfiglioli Transmissions

- Conducted comprehensive data analytics for over 3500 models in the APCN project.
- Analyzed additional data for validation software development, contributing to company's advancement.

Software Engineer 1

01/2025 – Present | Chennai

Rocket India

- Promoted from Software Engineer Trainee (Jul 2025 – Dec 2025) and Software Engineer Intern (Jan 2025 – Jun 2025)
- Built an end-to-end automated loan review system using Kubernetes, Kafka, Python AI services, Playwright, and Google Cloud to process correspondent business loans.
- Designed and implemented an automated SFTP-to-AI validation pipeline, processing 500+ loan files daily (~30,000 validations across 60 checks per loan) and updating vendor review systems in real time.
- Revamped application UI/UX to reduce loan origination cycle time by 30%.
- Took ownership of the system after team downsizing, handling feature development, schema design, sprint tracking, and production support, improving processing efficiency by ~5–10x.

PROJECTS

Electronic Public Records (EPR)

12/2025

Built with React, Go and Postgres SQL

- Built a unified billing platform to consolidate financial documents from multiple sources into a single trusted system.
- Implemented bill generation and verification workflows to validate document authenticity and detect tampering.
- Designed a modular architecture separating request, business, and data layers for scalable document processing.
- Enabled billing audit tracking and verification to improve financial transparency and traceability.

Fintrix

02/2026

Built with React, SpringBoot and PostgresSQL

- Built Fintrix, a personal finance platform using Java, SQL, and React with secure authentication, enabling users to track EMIs, monitor financial health, detect fraud, and evaluate loan eligibility through a unified dashboard.
- Developed product-focused features including EMI reminders, fraud alerts, personalized credit card recommendations, financial profiling, and real-time notifications to improve user financial decision-making.

Expense Approval Workflow Engine

06/2026 – 06/2026

Built with Spring Boot, React, and PostgreSQL

- Built a multi-stage expense approval workflow enabling employees to submit, update, and cancel claims with full audit history.
- Implemented role-based approval flows for managers and finance teams to approve or reject submissions.
- Designed state transition logic to reliably handle submission, approval, rejection, update, and cancellation stages.

CERTIFICATES

LFCA Linux Certification

2024

IBM Cyber Security Analyst

2024

SKILLS

Languages: C#, Python, Java, JavaScript, SQL, TypeScript

Frameworks: .NET, Angular, React, Spring Boot

Databases: SQL, Firestore, Google Bucket, Azure Table Storage

AI: Vertex AI, Gemini, Claude, Copilot

DevOps: Kubernetes, Kafka, Docker, Playwright

Cloud: Google Cloud Platform (GCP), Microsoft Azure